


## Use of aromatic-aliphatic ketones as photoinitiators, photopolymerisable systems containing such ketones and aromatic-aliphatic ketones.






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**Cited documents:**

 FR2022723  
 US3657088  
 FR2156760  
 FR2209789  
 CH459750  
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Abstract not available for EP0003002

Abstract of corresponding document: **US4308400**

Aromatic-aliphatic ketones of the formulae I, II, III or IV I II III IV wherein n is 1 or 2, Ar is an aryl radical, R1 and R2 are monovalent aliphatic, cycloaliphatic or araliphatic radicals, R3 is a direct bond or a divalent organic radical, X is a hydroxyl or amino group or the monovalent etherification or silylation products thereof, and X' is a divalent amino, ether or silyloxy group, Y is a direct bond or CH2 and Z is O, S, SO2, CH2 or C(CH3)2, are suitable sensitizers for the photopolymerization of unsaturated compounds and for the photochemical crosslinking of polyolefins. Some of these compounds are novel and can be obtained by methods analogous to those for obtaining the known compounds of this type.

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